

Work Order ID 37506

June 30, 2009 4:42:17 PM



Page 1

Item ID: D412-742-011

Accept



Setup Start



Revision ID: D

Stop



Item Name: Float Skidtube Installation

Start Date: 07/15/2009 Start Qty: 1.00



Cust Item ID:

Required Date: 08/03/2009 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: Date:

Tooling: Date:

Run Start



QC: Date:

SPC (Y/N): Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	----------------	--------------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

N/A

Rev D

100

0.00



DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy bluefile and create labels per PPP D412-742-011 CHG006

110

0.00



Pick Kit

Packaging

Memo

0.00

Packaging

120

0.00



QC4- 100% Inspect kits for completeness

QC

Memo

0.00

Quality Control

Pl 10-2-17 (1)

8/10/02/17

Pick 10/2/17 (4)

8/10/02/17

(40)

Work Order ID 37506

Page 2

June 30, 2009 4:42:17 PM

Item ID: D412-742-011

Accept



Setup Start



Revision ID: D

Stop



Item Name: Float Skidtube Installation

Start Date: 07/15/2009 Start Qty: 1.00



Cust Item ID:

Required Date: 08/03/2009 Req'd Qty: 1.00



Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start



QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

0.00



Packaging

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D412-742-011 Location: _____

NEUF

10/2/17

140

0.00



QC21- Final Inspection - Work Order Release

QC

Memo

0.00

Quality Control

10/02/17
ME
10-2-17

Picklist Print

July 1, 2009 7:19:53 AM

Page 1

Work Order ID: 37506

Parent Item: D412-742-011RevD

Parent Item Name: Float Skidtube Installation


Comments:

Start Date: 07/15/2009



Required Date: 08/03/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
✓ D3672-11RevB 8  Phenolic Washer		Manufactured	No				Each	231.0000	16.0000			

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Main Warehouse		
ST	231	
35524	231	

✓ D412-742-041RevH 8  Replacement Float Skidtube		Manufactured	No				Each	0.0000	1.0000			
✓ D3456-1RevA 8  Washer		Manufactured	No			110	Each	70.0000	1.0000			

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
OFFSHORE		
FG	7	
25701	7	
Main Warehouse		
ST	63	
46752	63	

35524

375064

354692

SP
Purifier C

Picklist Print

July 1, 2009 7:19:53 AM

Page 2

Work Order ID: 37506

Parent Item: D412-742-011RevD

Parent Item Name: Float Skidtube Installation


Comments:

Start Date: 07/15/2009

Required Date: 08/03/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN3C37A  BOLT		Purchased	No			120	Each	141.0000	3.0000			

Warehouse Loc Qty Loc Code
Location

OFFSHORE

FG 41

111775 41

Main Warehouse

ST 100

111976 100

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST 82

106169 8

106176 74

AN3C40A

BOLT

Purchased

No

120

Each

82.0000

2.0000

111976

July 1, 2009 7:19:53 AM

Shop Packet Print

Page 2

Picklist Print

July 1, 2009 7:19:53 AM

Page 3

Work Order ID: 37506

Parent Item: D412-742-011RevD

Parent Item Name: Float Skidtube Installation


Comments:

Start Date: 07/15/2009

Required Date: 08/03/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN3C41A  BOLT		Purchased	No			120	Each	102.0000	3.0000	✓ M112431		


Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST 102

103324 4

111925 98

AN3C42A  BOLT		Purchased	No			120	Each	152.0000	3.0000	✓		
---	--	-----------	----	--	--	-----	------	----------	--------	---	--	--

Warehouse Loc Qty Loc Code
Location

OFFSHORE

FG 52

106169 52

Main Warehouse

ST 100

106176 100

M106169

July 1, 2009 7:19:54 AM

Shop Packet Print

Page 3

Picklist Print

July 1, 2009 7:19:54 AM

Page 4

Work Order ID: 37506

Parent Item: D412-742-011RevD

Parent Item Name: Float Skidtube Installation


Comments:

Start Date: 07/15/2009


Required Date: 08/03/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
✓ AN3C43A  BOLT		Purchased	No			120	Each	113.0000	3.0000			

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Main Warehouse		
ST	113	
106227	2	
106228	35	
106299	2	
107457	74	

✓ AN3C44A  BOLT		Purchased	No			120	Each	182.0000	9.0000			
--	--	-----------	----	--	--	-----	------	----------	--------	--	--	--

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Main Warehouse		
ST	182	
106187	82	
110848	100	

July 1, 2009 7:19:54 AM

Shop Packet Print

Page 4

Picklist Print

July 1, 2009 7:19:54 AM

Page 5

Work Order ID: 37506

Parent Item: D412-742-011RevD

Parent Item Name: Float Skidtube Installation


Comments:

Start Date: 07/15/2009

Required Date: 08/03/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
✓ AN3C47A  BOLT		Purchased	No			120	Each	123.0000	10.0000			

Warehouse Loc Qty Loc Code

Location


Main Warehouse

ST 123

106171 74

110847 49

M106171

✓ AN4C47A  Bolt		Purchased	No			120	Each	128.0000	4.0000			
--	--	-----------	----	--	--	-----	------	----------	--------	--	--	--

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST 128

110847 4

111425 21

111635 100

111647 3

M113164 Purp/120

July 1, 2009 7:19:54 AM

Shop Packet Print

Page 5

Picklist Print

July 1, 2009 7:19:54 AM

Page 6

Work Order ID: 37506

Parent Item: D412-742-011RevD

Parent Item Name: Float Skidtube Installation


Comments:

Start Date: 07/15/2009

Required Date: 08/03/2009

Start Qty: 1.00


Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
✓ AN4C52A  BOLT		Purchased	No			120	Each	237.0000	8.0000			

m112543

[Signature]

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Main Warehouse		
ST	237	
103914	19	
105423	218	

✓ AN4C6A  Bolt		Purchased	No			120	Each	262.0000	16.0000			
---	--	-----------	----	--	--	-----	------	----------	---------	--	--	--

m112794

Perf/2/17 ①

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Main Warehouse		
ST	262	
103344	4	
111295	6	
111724	252	

~~MTT~~

July 1, 2009 7:19:54 AM

Shop Packet Print

Page 6

Picklist Print

July 1, 2009 7:19:54 AM

Work Order ID: 37506

Parent Item: D412-742-011RevD

Parent Item Name: Float Skidtube Installation



Start Date: 07/15/2009

Required Date: 08/03/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
✓ AN4C7A  Bolt		Purchased	No			120	Each	459.0000	4.0000 	✓		

Warehouse
Location

Loc Qty

Loc Code

OFFSHORE

FG

4

106302

4

Main Warehouse

ST

455

109147

455

✓ AN6C12A

BOLT

Purchased

No

120

Each

203.0000

8.0000


M109197

✓

142/120

Warehouse
Location

Loc Qty

Loc Code

Main Warehouse

ST

203

104289

3

110396

200

M110396

Picklist Print

July 1, 2009 7:19:54 AM

Work Order ID: 37506

Parent Item: D412-742-011RevD

Parent Item Name: Float Skidtube Installation

Comments:

Start Date: 07/15/2009

Required Date: 08/03/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

AN960C10L

Purchased

No

120

Each

5,096.000

66.0000

washer

AN960 N051149 C0332R

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

5096

103585

100

112116

4996

AN960C416L

Purchased

No

120

Each

568.9996

32.0000

WASHER

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

569

104925

44

108672

4

109220

3

110002

4

110139

1

110382

8

110523

14

111127

4

111424

7

111808

427

111916

53

Picklist Print

July 1, 2009 7:19:54 AM

Page 9

Work Order ID: 37506

Parent Item: D412-742-011RevD

Parent Item Name: Float Skidtube Installation


Comments:

Start Date: 07/15/2009

Required Date: 08/03/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
✓ AN960C616L  WASHER		Purchased	No			120	Each	152.0000	8.0000			

Warehouse Loc Qty Loc Code

Location

OFFSHORE

FG

2

107242

2

Main Warehouse

ST

150

110382

100

111424

50

1110382

✓ D2571RevE

Manufactured

No

120

Each

25.0000

1.0000

Saddle, Fwd Out 205

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

25

11644

1

43564

4

47564

8

48352

12

B52910

July 1, 2009 7:19:54 AM

Shop Packet Print

Page 9

Picklist Print

July 1, 2009 7:19:54 AM

Page 10

Work Order ID: 37506

Parent Item: D412-742-011RevD

Parent Item Name: Float Skidtube Installation

Comments:

Start Date: 07/15/2009

Required Date: 08/03/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

✓ D2572RevE		Manufactured	No			120	Each	18.0000	1.0000			
8 										51904		
Saddle, Fwd In 205												

Warehouse Loc Qty Loc Code

Location



Main Warehouse

ST 18

43565 4

47565 6

48353 8

✓ D2573RevE		Manufactured	No			120	Each	25.0000	1.0000			
8 										351522		
Saddle, Aft Out 205												

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST 25

43566 4

44206 1

47566 7

48354 13

July 1, 2009 7:19:54 AM

Shop Packet Print

Page 10

Picklist Print

July 1, 2009 7:19:54 AM

Page 11

Work Order ID: 37506

Parent Item: D412-742-011RevD

Parent Item Name: Float Skidtube Installation


Comments:

Start Date: 07/15/2009

Required Date: 08/03/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
✓ D2574RevE  Saddle, Aft In 205		Manufactured	No			120	Each	12.0000	1.0000	53463		

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST 12
43567 4
48355 8

✓ D2747RevB



Set Screw

Manufactured No

120

Each

305.0000

4.0000

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST 305
39224 4
41599 1
43855 300

✓ D2876RevB



Saddle Spacer

Manufactured No

120

Each

238.0000

2.0000

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST 238
42364 238

July 1, 2009 7:19:54 AM

Shop Packet Print

Page 11

Picklist Print

July 1, 2009 7:19:54 AM

Page 12

Work Order ID: 37506

Parent Item: D412-742-011RevD

Parent Item Name: Float Skidtube Installation

Comments:

Start Date: 07/15/2009

Required Date: 08/03/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
✓ D2877RevB Saddle Spacer		Manufactured	No			120	Each	179.0000	2.0000			

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST 179

43857 19

46518 40

47292 120

120 Each 175.0000 16.0000

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST 175

41709 84

44368 16

46691 75

120 Each 60.0000 8.0000

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST 60

44369 60

✓ D3403-1RevB

Bushing

✓ D3403-3RevB

Bushing

July 1, 2009 7:19:54 AM

Shop Packet Print

Page 12

Picklist Print

July 1, 2009 7:19:54 AM

Page 13

Work Order ID: 37506

Parent Item: D412-742-011RevD

Parent Item Name: Float Skidtube Installation



Comments:

Start Date: 07/15/2009

Required Date: 08/03/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
✓ D3405-041RevB		Manufactured	No			120	Each	27.0000	1.0000			
												
Lug Assembly												

353887



Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST 27

47200 6

47427 21

✓ D3405-043RevB		Manufactured	No			120	Each	28.0000	1.0000			
												
Lug Assembly												

53888



Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST 28

46589 1

46863 1

47308 14

47856 12

July 1, 2009 7:19:54 AM

Shop Packet Print

Page 13

Picklist Print

July 1, 2009 7:19:54 AM

Page 14

Work Order ID: 37506

Parent Item: D412-742-011RevD

Parent Item Name: Float Skidtube Installation

Comments:

Start Date: 07/15/2009

Required Date: 08/03/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
✓ D3407-041RevE Tow Ring		Manufactured	No			120	Each	28.0000	1.0000			

Warehouse Loc Qty Loc Code
Location

OFFSHORE

FG

4

35780

4

Main Warehouse

ST

24

47309

4

48356

20

✓ D3417-3RevD

Manufactured No



Washer

120

Each

48.0000

2.0000

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

48

42176

18

44349

30

July 1, 2009 7:19:54 AM

Shop Packet Print

Page 14

Picklist Print

July 1, 2009 7:19:54 AM

Page 15

Work Order ID: 37506

Parent Item: D412-742-011RevD

Parent Item Name: Float Skidtube Installation


Comments:

Start Date: 07/15/2009


Required Date: 08/03/2009

Start Qty: 1.00


Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
✓ D3533-1RevB  Set Screw		Manufactured	No			120	Each	110.0000	2.0000	51602		

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Main Warehouse		
ST	110	
44644	10	
47625	100	

✓ D3672-3RevB  Phenolic Washer		Manufactured	No			120	Each	582.0000	32.0000	51876		
---	--	--------------	----	--	--	-----	------	----------	---------	-------	--	--

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Main Warehouse		
ST	582	
34471	56	
47023	26	
48258	500	

✓ D3672-9RevB  Phenolic Washer		Manufactured	No			120	Each	595.0000	8.0000			
---	--	--------------	----	--	--	-----	------	----------	--------	--	--	--

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Main Warehouse		
ST	595	
35523	595	

July 1, 2009 7:19:55 AM

Shop Packet Print

Page 15

Picklist Print

July 1, 2009 7:19:55 AM

Page 16

Work Order ID: 37506

Parent Item: D412-742-011RevD

Parent Item Name: Float Skidtube Installation


Comments:

Start Date: 07/15/2009

Required Date: 08/03/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
✓ D412-742-015RevD  Electric Step		Manufactured	No			120	Each	4.0000	1.0000			

Warehouse Loc Qty Loc Code
Location

Main Warehouse

FG 4

35939 4

120 Each 352.0000 33.0000

35939

m112314

Pick 2/17 @

✓ MS21043-3  Nut		Purchased	No			120	Each	352.0000	33.0000			
---	--	-----------	----	--	--	-----	------	----------	---------	--	--	--

Warehouse Loc Qty Loc Code
Location

OFFSHORE

FG 80

103691 80

Main Warehouse

ST 272

111041 2

111274 2

111383 5

111819 263

July 1, 2009 7:19:55 AM

Shop Packet Print

Page 16

Picklist Print

Page 17

July 1, 2009 7:19:55 AM

Work Order ID: 37506



Parent Item: D412-742-011RevD



Parent Item Name: Float Skidtube Installation


Start Date: 07/15/2009

Required Date: 08/03/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
MS21043-4  Nut		Purchased	No			120	Each	276.0000	29.0000			



m113064

Picklist 1

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
OFFSHORE		
FG	40	
104603	40	
Main Warehouse		
ST	236	
111125	34	
111177	5	
111274	19	
111424	28	
111819	150	

July 1, 2009 7:19:55 AM

Shop Packet Print

Page 17

D 412-742-041

12

Date: Wednesday, 2/20/2008 4:13:34 PM
 User: Kim Johnston

Process Sheet

Customer	: CU-DAR001 Dart Helicopters Services	Drawing Name	: FLOAT SKIDTUBE
Job Number	: 37506		
Estimate Number	: 12877		
P.O. Number	:	Part Number	: D412742011
This Issue	: 2/20/2008 S.O. No. :	Drawing Number	: N/A
Prsht Rev.	: NC	Project Number	: N/A
First Issue	: 1 / Type : LANDING GEAR	Drawing Revision	: D
Previous Run	: 35922	Material	:
Written By	:	Due Date	: 3/20/2008 Qty: 1 Um: Each
Checked & Approved By	:		
Comment	: Est Rev: A 05.10.13 New Issue KJ/JLM Est Rev: B 06-06-08 As per DSI9336 JLM Est Rev: C 07-05-28 As per Rev C JLM est rev D 07.11.01 ecn 1053P EC est rev E 07.11.27 ecn 1072 EC verified by: DD		

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
---------	-----------------------	---------------

1.0 ✓ DC

DOCUMENT CONTROL



Comment: DOCUMENT CONTROL

Photocopy bluefile and create labels per PPP D412-742-011 CHG004 DOS ECN 08-510

2.0 ✓ 37506A

FLOAT SKID ASSEMBLY



Comment: Sub-Component FLOAT SKID ASSEMBLY

D412-742-041 B _____

3.0 ✓ D412742015

Electric Step Kit



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

Electric Step Kit

Batch: _____

4.0 ✓ PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Pick Packing Kit

5.0 ✓ D2571

Saddle, Fwd, Out



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

SADDLE

batch: _____

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Wednesday, 2/20/2008 4:13:34 PM
User: Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: FLOAT SKIDTUBE

Job Number: 37506

Part Number: D412742011

Job Number:



Seq. #: Machine Or Operation:

Description :

6.0

✓ D2572

Saddle, Fwd, In



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

SADDLE

batch: _____

7.0

✓ D2573

Saddle, Aft, Out



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

SADDLE

batch: _____

8.0

✓ D2574

Saddle, Aft, In



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

SADDLE

batch: _____

9.0

✓ D2876

Saddle Spacer



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

SADDLE SPACER

batch: _____

10.0

✓ D2877

Saddle Spacer



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

SADDLE SPACER

batch: _____

11.0

✓ D34031

Bushing



Comment: Qty.: 16.0000 Each(s)/Unit Total : 16.0000 Each(s)

BUSHING

batch: _____

12.0

✓ D2747

Set Screw



Comment: Qty.: 4.0000 Each(s)/Unit Total : 4.0000 Each(s)

Set Screw

batch: _____

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Wednesday, 2/20/2008 4:13:34 PM
User: Kim Johnston

Process Sheet

✓ Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: FLOAT SKIDTUBE

Job Number: 37506

Part Number: D412742011

Job Number:



Seq. #: Machine Or Operation:

Description :

13.0



D35331

Set Screw



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Set Screw

BATCH: _____

14.0



AN4C6A

Bolt



Comment: Qty.: 16.0000 Each(s)/Unit Total : 16.0000 Each(s)

BOLT

batch: _____

15.0



AN4C52A

BOLT



Comment: Qty.: 8.0000 Each(s)/Unit Total : 8.0000 Each(s)

BOLT

batch: _____

16.0



AN6C12A

BOLT



Comment: Qty.: 8.0000 Each(s)/Unit Total : 8.0000 Each(s)

BOLT

batch: _____

17.0



D36723

PHENOLIC WASHER



Comment: Qty.: 32.0000 Each(s)/Unit Total : 32.0000 Each(s)

PHENOLIC WASHER

batch: _____

18.0



AN960C416L

WASHER



Comment: Qty.: 32.0000 Each(s)/Unit Total : 32.0000 Each(s)

WASHER

batch: _____

19.0



D36729

PHENOLIC WASHER



Comment: Qty.: 8.0000 Each(s)/Unit Total : 8.0000 Each(s)

PHENOLIC WASHER

batch: _____

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Wednesday, 2/20/2008 4:13:34 PM

User: Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: FLOAT SKIDTUBE

Job Number: 37506

Part Number: D412742011

Job Number:



Seq. #:

Machine Or Operation:

Description :

20.0



AN960C616L

WASHER



Comment: Qty.: 8.0000 Each(s)/Unit Total : 8.0000 Each(s)

WASHER

batch: _____

21.0



D367211

PHENOLIC WASHER



Comment: Qty.: 16.0000 Each(s)/Unit Total : 16.0000 Each(s)

PHENOLIC WASHER

batch: _____

22.0



MS210434

Nut



Comment: Qty.: 29.0000 Each(s)/Unit Total : 29.0000 Each(s)

NUT

batch: _____

23.0



AN4C7A

Bolt



Comment: Qty.: 4.0000 Each(s)/Unit Total : 4.0000 Each(s)

Bolt

Batch: _____

24.0



AN3C37A

BOLT



Comment: Qty.: 3.0000 EACH(s)/Unit Total : 3.0000 EACH(s)

BOLT

batch: _____

25.0



AN3C40A

BOLT



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

BOLT

batch: _____

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Wednesday, 2/20/2008 4:13:34 PM
User: Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: FLOAT SKIDTUBE

Job Number: 37506

Part Number: D412742011

Job Number:



Seq. #:

Machine Or Operation:

Description :

26.0



AN3C41A

BOLT



Comment: Qty.: 3.0000 Each(s)/Unit Total : 3.0000 Each(s)

BOLT

batch: _____

27.0



AN3C42A

BOLT



Comment: Qty.: 3.0000 Each(s)/Unit Total : 3.0000 Each(s)

BOLT

batch: _____

28.0



AN3C43A

BOLT



Comment: Qty.: 3.0000 Each(s)/Unit Total : 3.0000 Each(s)

BOLT

batch: _____

29.0



AN3C44A

BOLT



Comment: Qty.: 9.0000 Each(s)/Unit Total : 9.0000 Each(s)

BOLT

Batch: _____

30.0



AN3C47A

BOLT



Comment: Qty.: 10.0000 Each(s)/Unit Total : 10.0000 Each(s)

BOLT

Batch: _____

31.0



AN960C10L

washer



Comment: Qty.: 66.0000 Each(s)/Unit Total : 66.0000 Each(s)

washer

batch: _____

32.0



MS210433

Nut



Comment: Qty.: 33.0000 Each(s)/Unit Total : 33.0000 Each(s)

Nut

batch: _____

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Wednesday, 2/20/2008 4:13:34 PM
User: Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: FLOAT SKIDTUBE

Job Number: 37506

Part Number: D412742011

Job Number:



Seq. #:	Machine Or Operation:	Description :
---------	-----------------------	---------------

33.0

✓ D34033

Bushing



Comment: Qty.: 8.0000 Each(s)/Unit Total : 8.0000 Each(s)

BUSHING

batch: _____

34.0

✓ D3405041

Lug Assembly



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

GHW LUG

batch: _____

35.0

✓ D3405043

Lug Assembly



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

GHW LUG

batch: _____

36.0

✓ AN4046A 47

BOLT



Comment: Qty.: 4.0000 Each(s)/Unit Total : 4.0000 Each(s)

BOLT

batch: _____

37.0

✓ D3407041

Tow Ring



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

TOWRING

batch: _____

38.0

✓ D34173

Washer



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

WASHER

batch: _____

39.0

✓ D34561

washer



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

WASHER

batch: _____

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Wednesday, 2/20/2008 4:13:34 PM
User: Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: FLOAT SKIDTUBE

Job Number: 37506

Part Number: D412742011

Job Number:



Seq. #:

Machine Or Operation:

Description :

40.0



QC4

INSPECT 100% KITS FOR COMPLETENESS



Comment: INSPECT 100% KITS FOR COMPLETENESS

41.0



PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and pack for shipping as per PPP D412-742-011

Location: _____

42.0



QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

5.0 PARTS LIST

5.1 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List

Item	Qty -011	Qty -041	Qty -015	Part Number	Description
	X			D412-742-011	FLOAT SKIDTUBE INSTALLATION
	1	X		D412-742-041	FLOAT SKIDTUBE
	1		X	D412-742-015	ELECTRIC STEP KIT
		1		D3391-041	412 FLOAT SKIDTUBE
1		*24		*AN3C4A	*BOLT
3		*12		*AN3C6A	*BOLT
4		*8		*AN3C7A	*BOLT
5		*44		*AN960C10L	*WASHER
6		*4		*MS27039C4-12	*SCREW
7A		*4		*D3672-3	*WASHER (REPLACES NAS1515H4L)
7B		*4		*AN960C416L	*WASHER
21A	T	*1		*D3564-1 ✓	*WEARSHOE (REPLACES D3460-1)
21B		*1		*D3566-1 ✓	*GASKET
22A	12	*1		*D3564-3 ✓	*WEARSHOE (REPLACES D3460-3)
22B	***	*1		*D3566-1 ✓	*GASKET
23A		*1		*D3564-5	*WEARSHOE (REPLACES D2577-5)
23B		*1		*D3566-5	*GASKET
10		*1		*D3391-011	*412 FORWARD TUBE
11		**1		**D3401-041	**TOW CAP
12A		**10		**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB166)
12B		**2		**AELS-1032-130	**INSERT (REPLACES NAS1330S3KB166)
13		**10		**AN3C4A	**BOLT
14A		**4		**D3672-1	**WASHER (REPLACES NAS1515H3L)
14B		**10		**AN960C10L	**WASHER
24A		**1		**D3564-13	**WEARSHOE
24B		**1		**D3566-13	**GASKET
20	T	*1		*D3391-013	*412 MID TUBE
28		**24		**AELS-1032-130	**INSERT (REPLACES NAS1330S3KB116)
30		*1		*D3391-015	*412 AFT TUBE
25A		**1		**D3537-1	**WEARPAD
25B		**1		**D3553-1	**GASKET
26A		**1		**D3537-7	**WEARPAD
26B		**1		**D3553-3	**GASKET
31		**1		**D2646	**AFT CAP
32		**14		**AELS-1032-130	**INSERT
36		**12		**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB366)
37A		**6		**AN3C4A	**BOLT
37B		**4		**AN3C5A	**BOLT
38A		**2		**D3672-1	**WASHER (REPLACES NAS1515H3L)
38B		**10		**AN960C10L	**WASHER
39		**4		**ALS4-428-165	**INSERT (REPLACES NAS1330S4KB151)

(CONTINUED ON PAGE 17)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

(CONTINUED FROM PAGE 16)

Item	Qty -011	Qty -041	Qty -015	Part Number	Description
40	1			D2571	SADDLE, FWD OUTSIDE
41	1			D2572	SADDLE, FWD INSIDE
42	1			D2573	SADDLE, AFT OUTSIDE
43	1			D2574	SADDLE, AFT INSIDE
44	2			D2876	SADDLE SPACER
45	2			D2877	SADDLE SPACER
46	16			D3403-1	BUSHING
47A	4			D2747	SET SCREW
47B	2			D3533-1	SET SCREW
48	16			AN4C6A	BOLT
49	8			AN4C52A	BOLT
50	8			AN6C12A	BOLT
51A	32			D3672-3	WASHER (REPLACES NAS1515H4L)
51B	32			AN960C416L	WASHER
52A	8			D3672-9	WASHER (REPLACES NAS1515H6L)
52B	8			AN960C616L	WASHER
53	16			D3672-11	WASHER (REPLACES NAS1515H7L)
54	24			MS21043-4	NUT
55	4			AN4C7A	BOLT
60	8			D3403-3	BUSHING
61	1			D3405-041	GHW LUG
62	1			D3405-043	GHW LUG
63	4			AN4C46A	BOLT
64	4			MS21043-4	NUT
70	1			D3407-041	TOW RING
71	2			D3417-3	WASHER
72	1			MS21043-4	NUT
73	1			D3456-1	WASHER
80			1	D2913	DOUBLER
81		***4		***ALS4-428-165	***INSERT (REPLACES NAS1329S4KB140)
82		***4		***AELS-1032-130	***INSERT (REPLACES NAS1330S3KB116)
83			2	MS21043-4	NUT
84			2	MS24693-C272	SCREW
85			1	MS35489-35	GROMMET
86			1	MS35489-93	GROMMET
87		***4		***MS27039C1-09	***SCREW
88		***4		***MS27039C4-08	***SCREW
89A		***4	2	***D3672-1	***WASHER (REPLACES NAS1515H3L)
89B		***4	2	***AN960C10L	***WASHER
90A		***4		***D3672-3	***WASHER (REPLACES NAS1515H4L)
90B		***4		***AN960C416L	***WASHER
91	3			AN3C37A	BOLT
92	2			AN3C40A	BOLT
93	3			AN3C41A	BOLT
94	3			AN3C42A	BOLT
95	3			AN3C43A	BOLT
96	9			AN3C44A	BOLT
98	10			AN3C47A	BOLT
99	66			AN960C10L	WASHER
100	33			MS21043-3	NUT

*DENOTES PART IS INCLUDED WITH D3391-041 ASSEMBLY ABOVE

**DENOTES THAT PART IS INCLUDED ABOVE ASSEMBLY

***DENOTES THAT PART IS INCLUDED WITH D3391-013

• COPYRIGHT © 2005 BY DART AEROSPACE USA, INC. •
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.

Revision: D

Date: 07.10.04

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-742 REV. D AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-742 REV. 3.

REF. FAA STC: SR01583SE

REF. CANADIAN STC: SH05-37

REF. EASA STC: EASA.IM.R.S.01126

INSTRUCTIONS:

- 1) FOR D412-742-011/-013 SKIDTUBES @ CHANGE 006 AND SUBSEQUENT, UPDATE THE PARTS LIST TO MODIFY THE BOLT USED TO ATTACH THE GHW LUG AS FOLLOWS:

5.1 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List

32.15 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List

ITEM	Qty -011	Qty -041	Qty -015	PART NUMBER	DESCRIPTION
	X			D412-742-011	FLOAT SKIDTUBE INSTALLATION
	1	X		D412-742-041	FLOAT SKIDTUBE
	1		X	D412-742-015	ELECTRIC STEP KIT

IS:

63	4			AN4C47A	BOLT
----	---	--	--	---------	------

WAS:

63	4			AN4C46A	BOLT
----	---	--	--	---------	------

5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List

32.16 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List

ITEM	Qty -013	Qty 043	PART NUMBER	DESCRIPTION
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION
	1	X	D412-742-043	FLOAT SKIDTUBE

IS:

63	4		AN4C47A	BOLT
----	---	--	---------	------

WAS:

63	4		AN4C46A	BOLT
----	---	--	---------	------

A	NEW ISSUE	AJS	08.12.19
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE USA, INC PORT HADLOCK, WA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9441	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		BOLT CHANGE	NTS
DATE	08.12.19	COPYRIGHT © 2008 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries